



High School Science Virtual Learning

Biology

Cell Composition

April 17, 2020



High School Biology

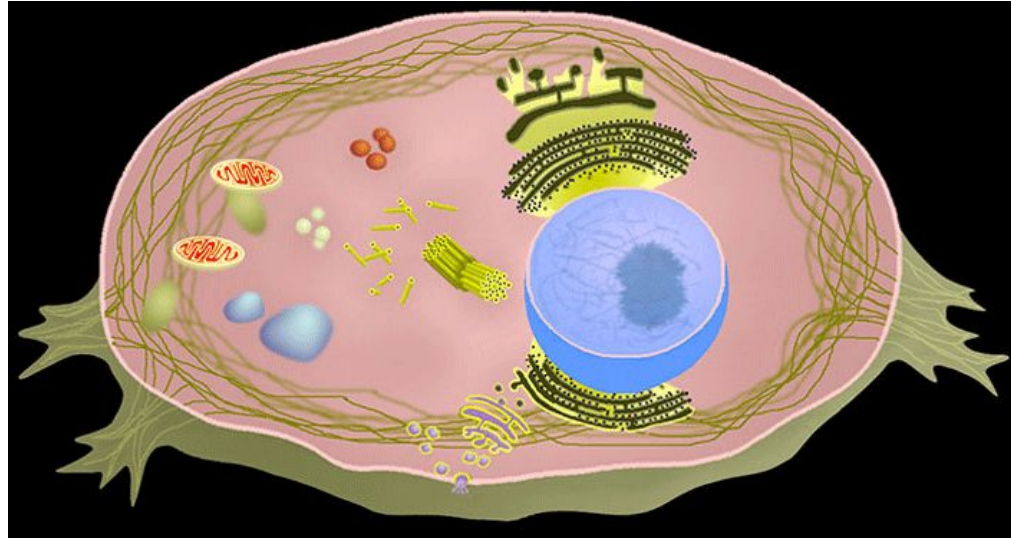
Lesson: [April 17th, 2020]

Objective/Learning Target:

I will be able to define and describe the function of all cell parts.

Let's Get Started:

1. Refresh your memory of what cells look like by going to this [link](#) and going through compositions of plant and animal cells.
2. What are three big differences between plant and animal cells?



Let's Get Started: Answer Key

(You only need 3 of these)

- Plant cells have a cell wall and animal cells do not
- Plant cells have chloroplasts and animal cells do not
- Animal cells have lysosomes and plant cells do not
- Animal cells have centrioles and plant cells do not
- Plant cells are square while animal cells are round





Lesson Activity:

Directions: Go to the following link and forward through the different pages. The last two pages will be practice that will also give you feedback on your answers.

Links: [KhanAcademy video](#)

Practice

Complete the practice at this [link](#) and it will allow you to view correct answers to the questions.

Extra Video Practice Questions:

1. (video 1) What types of cells in the human body do not have DNA?
2. (video 1) About how many yeast cells could be lined up together to make the width of a human hair?
3. (video 2) What is the scientific term for “false foot”?
4. (video 2) Where in the human body could you find cilia and what do they help your body do?
5. (video 2) What is one way the *Oxytricha trifallax* mates and what happens to the DNA?

Extra Video Practice Questions: **KEY**

1. (video 1) What types of cells in the human body do not have DNA? **Red blood cell**
2. (video 1) About how many yeast cells could be lined up together to make the width of a human hair? **20-30 cells**
3. (video 2) What is the scientific term for “false foot”? **Pseudopod**
4. (video 2) Where in the human body could you find cilia and what do they help your body do? **Lungs and they help move saliva and other particles where they need to go**
5. (video 2) What is one way the Oxytricha trifallax mates and what happens to the DNA? **It merges with another Oxytricha trifallax and they mingle their chromosomes to create a new cell with different genetic makeup**

Misconceptions:

Often we struggle to conceive the size and scale of cells and their parts. Go to this [link](#) to do an interactive on cellular size and scale.

More Practice:

Follow the links below to do more practice.

1. Various review games: [Bioman](#)
2. Practice with key: [Review Of The Cell And Its Organelles](#)



Additional Practice:

Click on the link below for additional practice.

[Quizlet](#)